

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) A lathe [[with]] comprising:
a vertically positioned motor-driven work spindle on whose lower end are positioned workpiece clamps, [[with]] an initial compound slide system by means of which the work spindle can move vertically in [[the]]a Z1 direction and horizontally in [[the]] an X1 direction, [[with]]
at least one initial stationary tool holder, and with
at least one second tool holder which can execute an advancing action in at least [[one]] two directions during the machining process, while the advancing movement of the second tool holder is independent of but synchronized with the control of the first compound slide system, ~~comprising~~:
wherein the second tool holder (46) is movable in a controlled fashion vertically in a Z2 direction and horizontally in an X2 direction by a second compound slide system along two axes by a second compound slide system (28, 30, 32, 34); and
wherein the movement of the second tool holder (46) is synchronized with the movement of the first compound slide system (19) in such a way that the movement of the second tool holder (46) provides an arithmetic overlay of the movement of the first compound slide system (19) and the independently controlled relative movement between the workpiece and the second tool holder (46).

2. (Previously presented) A lathe according to claim 1, wherein the axes of movement (Z1, X1) of the first compound slide system (19) and the axes of movement (Z2, X2) of the second compound

system (28, 30, 32, 34) run parallel to each other.

3. (Previously presented) A lathe according to claim 1, wherein at least the second tool holder (46) is positioned on a turret holder plate (44).
4. (Previously presented) A lathe according to claim 1, wherein at least the second tool holder (16), and the corresponding guides (28, 30, 32, 34), and drives (36, 38, 40, 42) are consolidated into a structural module.
5. (Previously presented) A lathe according to claim 4, wherein a machine tool table with two columns (12) is provided, a work space (16) is positioned between the two columns (12), and the first tool holder (22) and the structural module for the second tool holder (46) are positioned between the columns (12), on opposite sides of the work space (16).
6. (Previously presented) A lathe according to claim 2, wherein at least the second tool holder (46) is positioned on a turret holder plate (44).
7. (Previously presented) A lathe according to claim 2, wherein at least the second tool holder (16), and the corresponding guides (28, 30, 32, 34), and drives (36, 38, 40, 42) are consolidated into a structural module.
8. (Previously presented) A lathe according to claim 7, wherein a machine tool table with two

columns (12) is provided, a work space (16) is positioned between the two columns (12), and the first tool holder (22) and the structural module for the second tool holder (46) are positioned between the columns (12), on opposite sides of the work space (16).

9. (Previously presented) A lathe according to claim 3, wherein at least the second tool holder (16), and the corresponding guides (28, 30, 32, 34), and drives (36, 38, 40, 42) are consolidated into a structural module.

10. (Previously presented) A lathe according to claim 9, wherein a machine tool table with two columns (12) is provided, a work space (16) is positioned between the two columns (12), and the first tool holder (22) and the structural module for the second tool holder (46) are positioned between the columns (12), on opposite sides of the work space (16).